I. INVESTMENT HEADING

Investment Name: Cerro Gordo and Franklin County Wireless Mobile Data Systems Implementation Program.

This is a multi-jurisdictional project within the primary counties of Cerro Gordo and Franklin, with secondary coverage through assistance to adjacent counties.

This project will serve the jurisdictions of Cerro Gordo and Franklin Counties and the Cities of Mason City, Clear Lake and Hampton and indirectly the remainder of communities within both counties.

The disciplines served by this project are Fire, Police, Sheriff, HAZMAT, Emergency Management and EMS.

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II. A. PROJECT NARRATIVE

This project is a component of a continuing program to improve communications and communications interoperability of Cerro Gordo and Franklin Counties emergency response groups. Both counties have made investments in radio communications equipment in both VHF and 800 Megahertz frequency bands, and have made extensive improvements to our communications centers. This project will allow us to communicate beyond voice communications by adding mobile data capabilities including video. With the data capability larger and more detailed information can be shared with various agencies and with dispatch centers or the emergency operations center. The equipment will be installed in both of the Sheriffs' departments, the Mason City, Clear Lake and Hampton Police Departments, the Mason City Fire Department, the ten county North Iowa HAZMAT Team, and each of the Franklin County Fire Departments. The investment shall be continually evaluated through exercise after action reports and review of actual incident reports.

III.A. BASELINE – HISTORICAL FUNDING and REQUEST NAME

All equipment purchased and work completed as part of this project up to this time was completed with local funds only.

III.B. BASELINE – DESCRIPTION of NEED

The foundation of this project is the computer servers and software that will allow users to obtain, transmit and share incident information with other responders, dispatch centers and county EOC's. Servers have been installed in both the Clear Lake dispatch and the Cerro Gordo County dispatch center. The Computer Aided Dispatch (CAD) software was purchased for both dispatch centers with E911 Service Board funds. The Records Management System (RMS) software and computer servers were purchased through a consortium consisting of the Cerro Gordo County, City of Clear Lake, the City of Mason City and the E911 Service Board. The servers and both software systems are the key components needed to allow for the operation of the mobile units.

III.C. BASELINE – DESCRIPTION of GOVERNANCE STRUCTURE and ACTIVITIES

The main governing body for both counties is the E911 Board. Its members represent each county, the communities within each county and the law, fire, EMS and HAZMAT disciplines in each county. Both Boards are highly active and strive to keep their 911 answering centers, communications dispatch centers and department communications systems well maintained and as up to date as local budgets will allow. The Boards have adopted NIMS requirements and are continually looking for new and innovative ways to establish interoperability within the counties and the region.

III.D. BASELINE – STAKEHOLDER INVOLVEMENT

This project has been developed with the full participation of representatives of all the public safety agencies in Cerro Gordo and Franklin Counties and the E911 Boards of both counties. Agencies have completed information gathering surveys to determine equipment and capability gaps and needs. Several meetings have been held within each county to discus options for increased interoperability and information sharing among the agencies and jurisdictions. On scene data collection and transmission and the sharing of this information with the various agencies and jurisdictions was determined to be a high priority. A systematic plan was developed for the specification, purchase, installation, and testing of equipment and for the integration of equipment into existing systems.

IV.A. STRATEGY – STATEWIDE COMMUNICATIONS INTEROPERABILITY PLAN OBJECTIVES

This project supports the Iowa Statewide Communications Interoperability Plan through the use of advanced data and video communications hardware to provide a more comprehensive communications system for emergency and disaster response in Cerro Gordo and Franklin counties. All partners share in the developmental planning of systems and software and the specification of equipment. By working together a uniformed standard of equipment and systems purchases can be made to strengthen our interoperable communications capabilities within the county and with our regional partners.

IV.B. STRATEGY – TECHNOLOGY PRIORITIES

The systems, software and equipment obtained for this project will increase the technology of the county systems by using the newest in data and video capabilities technologies. By expanding the numbers of participants in this program to all jurisdictions in both counties and to the multiple disciplines of law, fire, EMS and HAZMAT the project becomes more cost effective for all parties.

IV.C. STRATEGY – ALL HAZARDS MITIGATION PRIORITIES

The North Central Iowa region is susceptible to numerous natural hazards such as tornadoes, ice storms, blizzards, and as this past summer clearly showed us, flooding. To enable a rapid and coordinated response to these hazards, response agencies, command centers and emergency operations centers must be able to communicate and share information in a fast and reliable manner. The wireless capabilities this project will provide shall allow incident information, including video in the future, to be transmitted from the scene to command or the EOC or other agencies with more content and detail than voice communications only will allow.

V.A. FUNDING PLAN

	PSIC Federal Funds Requested	**Non-Federal Matching Fund Amount**	**Total Investment**
Acquisition	$1,435,492.00	$553,288.00	$1,988,780.00
Deployment			
Training		XXXXXXXXXXX	
Planning/Coordination		XXXXXXXXXXX	
Total	$1,435,492.00	$553,288.00	$1,988,780.00

V.B. MATCHING PLAN

The Records Management System (RMS) and its supporting equipment were purchased through a consortium formed under Iowa Code Chapter 28E. The consortium consists of Cerro Gordo County, acting through its Sheriff; the City of Clear Lake, acting through its Chief of Police; the City of Mason City , acting through its Chief of Police; and the Cerro Gordo County E911 Service Board, acting through its Coordinator. Costs related to acquisition and installation of, and ongoing maintenance agreements for the RMS were divided with each member of the four members of the consortium having responsibility for 25 percent.

Non-Federal Matching Amount

Description	Cost
Mobile Application Software	$15,000.00
RMS Application Software	$190,000.00
Software Maintenance	$34,850.00
Project Management	$40,000.00
Training	$17,000.00
RMS Server	$5,434.00
TOTAL	$302,284.00

The Computer Aided Dispatch (CAD) systems were purchased by the Cerro Gordo County E911 Board. The CAD systems were installed at the Public Safety Answering Point (PSAP) at the Cerro Gordo County Sheriff's Department and the PSAP at the Clear Lake Police Department.

Non-Federal Matching Amount

Description	Cost
Dispatch CAD System	$88,660.00
Other Software	$990.00
Software Maintenance	$26,285.00
Project Management	$28,225.00
Training	$28,490.00
Interface (Coding) Services	$51,425.00
Installation Services	$26,929.00
TOTAL	$251,004.00

VI. MILESTONES

Milestone #1

Start Date: Day of grant award
End Date: 3 Months after award date

Description: Upon date of award the consortium shall develop RFP's for the procurement of equipment and then solicit response for the RFP's

Milestone #2

Start Date: Upon Award of RFP
End Date: 3 months after RFP award

Description: Upon award of RFP equipment shall be ordered and delivered to a central location within each county.

Milestone #3

Start Date: Upon receipt of first piece of equipment
End Date: Up to one year after first piece of equipment arrives

Description: Delivery of equipment depending on size and sophistication may take up to one year for delivery.

Milestone #4

Start Date: FY 2008
End Date: FY 2009

Description: Installation of equipment and towers.

Milestone #5

Start Date: FY2008
End Date: FY2009

Description: Training of personnel on various components of the system and development of SOP's for system operations.

Milestone #6

Start Date: FY 2009
End Date: FY 2010

Description: Systems shall be tested by county exercises and drills and then data critiqued and an after action report developed to determine effectiveness of systems.

VII. PROJECT MANAGEMENT

The project shall be managed by the E911 consortium of Cerro Gordo County and the E911 Board of Franklin County with direct responsibility of grant management by the Cerro Gordo County E911 Director. Any expenses beyond the amount of the grant shall be divided equally between the consortium members of Cerro Gordo County and the Franklin County E911 Board. Records shall be maintained by the Cerro Gordo E911 Director and the financial records shall be audited by an outside source and be available

for state and/or federal audits. Equipment maintenance expenses shall be the responsibility of the agencies receiving said equipment with the exception of equipment that is placed within the PSAP's which shall be maintained by the respective County E911 Boards.

VIII. INVESTMENT CHALLENGES

	Challenge	**Probability/Impact**	**Mitigation Strategy**
1.	Delays in equipment delivery.	Moderate Moderate	Work closely with vendors to maintain shipping schedules
2.	Weather delays during tower installation	High Moderate	Have contracts with installation crews to start tower installation immediately upon delivery of equipment
3.	Delay in training of employees	Moderate High	Training schedules will be developed early to insure all employees have ample time to master equipment and software.

IX.A. IMPACT – OUTCOMES

This project shall be monitored and tested throughout the installation and training time periods by use of detailed assessment forms developed by the E911 Board Directors and the E911 consortium. After installation and training, the equipment and systems shall be tested as part of the ongoing county exercise programs with data collected and put into after action reports for correction/improvement. These systems when installed will greatly enhance the capabilities of responders in the field to communicate with each other and to command centers and to send and receive critical data such as building pre-plans, chemical storage information and security systems. It will also allow video documentation and on scene monitoring to assist Incident Commanders and will provide the foundation for the transition to having the capability to send live video from the incident to other units and/or command centers and the EOC.

IX.B. IMPACT – COST EFFECTIVE MEASURES

During the performance period the cost-effectiveness of the project can be monitored by capability of officers to complete work in the field faster and more efficiently by reducing the amount of radio contact for information. Responders will have faster real time information with direct access to Iowa/NCIC system. The system shall provide for information sharing among agencies in a fast easy manner directly in the field. It shall also greatly improve the ability of the communications centers to manage resources and communicate information to mobile units while reducing radio traffic and user time. The GPS capabilities of the system shall insure quicker response and the ability of dispatch to send the closest unit available. In-unit video will increase awareness of safety while responding to and while operating on scene. These are all items that can be documented and measured allowing for the determination of efficiency and cost effectiveness.

IX.C. IMPACT – SUSTAINABILITY

To sustain these systems for the long-term operation, each of the participating jurisdictions and disciplines shall incorporate into their operating budgets line item expenses for maintenance and service of equipment, training of personnel, and for procurement of updated software and equipment enhancements. Each of the participants shall also actively seek new grant sources for major projects such as updates and enhancements of the various components of the system.